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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/941,453	08/28/2001	Fang-Cheng Chang	NTI-024	6364
29477	7590 02/22/2005		EXAMINER	
	FFMAN & HARMS, I ANNON BLVD	MOHAMEDULLA, SALEHA R		
BLDG G			ART UNIT	PAPER NUMBER
LIVERMOR	LIVERMORE, CA 94550-6006			
			DATE MAILED: 02/22/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	09/941,453	CHANG ET AL.				
Office Action Summary	Examiner	Art Unit				
	Saleha R. Mohamedulla	1756				
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet wit	h the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep. If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).		ply be timely filed (30) days will be considered timely. HS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on 28 A	<u> August 2001</u> .	•				
2a) This action is FINAL . 2b) ☑ Thi	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowa	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	,					
4)⊠ Claim(s) <u>1-65</u> is/are pending in the application	n.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.	· · · · · · · · · · · · · · · · · · ·					
7) Claim(s) is/are objected to.						
8) Claim(s) 1-65 are subject to restriction and/or	□ Claim(s) 1-65 are subject to restriction and/or election requirement.					
Application Papers						
9) The specification is objected to by the Examine	er.	•				
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the E	* * * * * * * * * * * * * * * * * * * *	, , ,				
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. &	119(a)-(d) or (f)				
a) All b) Some * c) None of: 1. Certified copies of the priority documen 2. Certified copies of the priority documen 3. Copies of the certified copies of the priority	ts have been received. ts have been received in Ap	plication No				
application from the International Burea	·	eceived in this National Stage				
* See the attached detailed Office action for a list	· · · · · · · · · · · · · · · · · · ·	eceived.				
Attachment(s)						
1) Notice of References Cited (PTO-892)		Immary (PTO-413)				
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 		/Mail Date ormal Patent Application (PTO-152) _·				

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-12, 48-52 and 55-56, drawn to a method, classified in class 430, subclass 30.
 - II. Claims 13-22 and 53-54, drawn to a mask, classified in class 430, subclass 5.
 - III. Claims 23-28, 38-47 and 62-65, drawn to a program product, classified in class 716, subclass 19.
 - IV. Claims 29-37, drawn to an integrated circuit, classified in class 257, subclass 6.
 - V. Claims 57-61, drawn to a method of making an integrated circuit, classified in class 430, subclass 311.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions of Group I and Group II are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case, the product can be used in a materially different process such as an exposure process.
- 3. Inventions of Group I and Group III are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different

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product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case, the product can be used in a materially different process such as an exposure process.

- 4. Inventions of Group IV and Group V are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the process can be used to make a different product, such as an exposure mask.
- 5. Inventions of Group I and V are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions have different functions. The invention of Group I is used to process a dummy feature, which is used in a mask which is used to imprint patterns onto a substrate underlying the mask using an exposure system. The invention of Group V is used to make integrated circuits which are used in electrical equipment such as computers.
- 6. Inventions of Group I and Group IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions have different effects. The invention of Group IV is part of an integrated circuit that is used in electrical equipment such as computers. The invention of Group I is used to process a dummy feature, which is used in a mask which is used to imprint patterns onto a substrate underlying the mask using an exposure system.

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7. Inventions of Group II and Group III are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions have different functions. A mask is used to imprint patterns onto a substrate underlying the mask. The computer program product and system are used to process semiconductor features.

- 8. Inventions of Group II and Group IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions have different effects. The invention of Group IV is part of an integrated circuit that is used in electrical equipment such as computers. The invention of Group II is a mask which is used to imprint patterns onto a substrate underlying the mask using an exposure system.
- 9. Inventions of Group II and Group V are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (MPEP § 806.05(h)). In the instant case, the product can be used in a materially different process, such as in an exposure process.
- 10. Inventions of Group III and Group V are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the

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instant case the different inventions have different functions. The invention of Group V is used to make an integrated circuit that is used in electrical equipment such as computers. The computer program product and system are used to process semiconductor features.

- 11. Inventions of Group III and Group IV are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions have different functions. The invention of Group IV is part of an integrated circuit that is used in electrical equipment such as computers. The computer program product and system are used to process semiconductor features.
- 12. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 13. A telephone call was made to Ms. Jeanette Harms on February 18, 2005 to request an oral election to the above restriction requirement, but did not result in an election being made.
- 14. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Saleha R. Mohamedulla whose telephone number is (571) 272-1387. The examiner can normally be reached on M-F (8:00 to 4:30).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on (571) 272-1385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Saleha Mohamedulla

Patent Examiner

Technology Center 1700

February 20, 2005